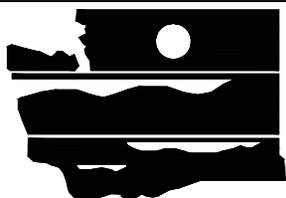


$$Q = CA_b \sqrt{2gh_b} + CA_t \sqrt{2gh_t}$$

$$= C \sqrt{2g} (A_b \sqrt{h_b} + A_t \sqrt{h_t})$$

$h_b$  = distance from hydraulic grade line at the 2 – year flow of the outflow pipe to the overflow elevation

NOT TO SCALE



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

## Simple Orifice

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